

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

In the Matter of Permit 15735 (Application 22316)
U.S. Bureau of Reclamation

**ORDER APPROVING CHANGE IN PLACE OF USE
AND AMENDING THE PERMIT**

SOURCE: Rock Slough
COUNTY: Contra Costa

WHEREAS:

1. Permit 15735 was issued to U.S. Bureau of Reclamation on November 6, 1968, pursuant to Application 22316.
2. A petition to change the place of use was filed with the State Water Resources Control Board (SWRCB) on May 23, 2001, and the SWRCB has determined that good cause for such change has been shown. Public notice of the change was issued on November 16, 2001, and no protests were received.
3. The SWRCB has determined that the petition for change in place of use does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.

NOW, THEREFORE, IT IS ORDERED THAT PERMIT 15735 IS AMENDED TO READ AS FOLLOWS:

1. The place of use as shown on USBR Map No. 214-208-12581 on file with the Board, and as further delineated in the GIS maps on file with the Board and attached to Board Decision 1641, is amended to include the following:

71 acres within E½ of Section 12, T14S, R11E, MDB&M.
160 acres within NW¼ of Section 29, T14S, R12E, MDB&M.
2. All other conditions of Permit 15735 are still applicable.

STATE WATER RESOURCES CONTROL BOARD



*Edward C. Anton, Chief
Division of Water Rights*

Dated: JUL 29 2002

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

ORDER

Application 22316 Permit 15735 License

**ORDER AMENDING PERMIT
TO CONFORM WITH DECISION NO. 1629**

WHEREAS:

1. The permittee is the U.S. Bureau of Reclamation.
2. The permit should be amended to conform with State Water Resources Control Board (SWRCB) Decision No. 1629 related to the Los Vaqueros Project in Contra Costa County.

NOW, THEREFORE, IT IS ORDERED THAT:

1. The condition of the permit related to the points of diversion shall be amended to include the following:

A point of diversion on Old River tributary to San Joaquin Delta Channels, within the NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of projected Section 31, T1N, R4E, MDB&M, also described as California Coordinates, Zone 3, N 507,050 and E 1,689,550.

(0000001)

(0000002)

2. Condition is added to the permit as follows:

The maximum rate of diversion and redirection to offstream storage in Los Vaqueros Reservoir shall not exceed 200 cubic feet per second.

(000005J)

3. Term 10 of Permit 15735 is amended to read:

The combined rates of diversion from Rock Slough and Old River under Permits 12725, 12726, and 15735 (Applications 9366, 9367, and 22316) shall not exceed 350 cubic feet per second.

(0000114)

4. Conditions are added to the permit as follows:

- a. Permittee shall construct, operate, and maintain a fish screen and fish screen cleaning system at the Rock Slough intake of the Contra Costa Canal, satisfactory to the Department of Fish and Game, United States Fish and Wildlife Service, and National Marine Fisheries Service. The fish screening facility shall be constructed and made fully operational by no later than October 1, 1998. The fish screening facility shall be designed and operated to achieve an average water approach velocity no greater than 0.2 feet per second for a 3/32" vertical slotted screen opening and shall effectively screen fish longer than 21 millimeters. After March 1997, water shall be diverted under this permit only at the Old River intake between January 1 and August 31 unless other points of diversion authorized under this permit are approved by Department of Fish and Game and United States Fish and Wildlife Service.

(0400500)
(0450300)
(0450700)

- b. The permittee shall maintain a continual record of water diversion utilizing the Rock Slough and Old River points of diversion and submit such record to the Division of Water Rights on an annual basis.

(0090700)

5. Term 1 of Permit 15735 is amended to read:

Water appropriated under this permit at the Old River and Rock Slough points of diversion and rediverted at Kellogg Creek shall be limited to the quantity which can be beneficially used and shall not exceed 5,400 afa to be collected from October 1 of each year to June 30 of the succeeding year. The maximum rate of diversion to offstream storage shall not exceed 21.16 cubic feet per second.

(0000005)
(000005J)

6. Conditions are added to this permit as follows:

- a. The permittee shall maintain a daily record of water diversion utilizing the Old River point of diversion and submit such record to the Division of Water Rights on an annual basis.
- b. No water shall be diverted from Old River under this permit until permittee has installed devices, satisfactory to the SWRCB, which are capable of measuring the flow: (1) diverted into Los Vaqueros reservoir from Old River; and (2) released through the outlet facilities of Los Vaqueros reservoir. Said measuring devices shall be properly maintained.

(0090700)

(0060062)

- c. The total combined quantity of water diverted and/or rediverted under Permits 20749, 12721, 11967, 12722, 12723, 12725, 12726, 11315, 11316, 16597, 11968, 11969, 11971, 11973, 12364, 13776, 16600, and 15735 (issued pursuant to Applications 20245, 5626, 5628, 9363, 9364, 9366, 9367, 13370, 13371, 14858, 15374, 15375, 16767, 17374, 17376, 18115, 19304, and 22316) shall not exceed 180,675 acre-feet per annum from Old River and also shall not exceed in any one-year period commencing on March 1, the sum of (i) 195,000 acre-feet and (ii) 4,000 acre-feet to replace evaporation losses and (iii) the difference between the quantity of water in storage in Los Vaqueros Reservoir at the end of the period and the quantity of water in storage at the end of the period and the quantity of water in storage at the beginning of the period, from Old River and Rock Slough, combined. If the storage at the end of the period is less than the storage at the beginning of the period, the change in storage shall be subtracted from the 195,000 acre-feet.

Until further order of the SWRCB, the combined maximum annual diversion shall not exceed 242,000 acre-feet per annum from Old River and Rock Slough. Further order of the SWRCB shall be preceded by notice to all interested parties, by opportunity for hearing, and a showing that water can be diverted in excess of 242,000 acre-feet per annum, taking into account the needs of public trust uses, senior water right holders, and other beneficial uses. The petition shall be accompanied by any environmental documentation required under California law. This requirement for further order of the SWRCB shall not preclude the permittee from filing appropriate petitions for temporary changes or applications for temporary permits under laws existing at the time of the petition or application.

Provided, however, that if during the twelve months after the date when water is first diverted to storage in Los Vaqueros Reservoir there is adequate water available under the water rights listed above, the combined maximum diversion during that initial twelve months shall be 252,000 acre-feet from Old River and Rock Slough.

The total quantity of water distributed under the permits on the above water rights within the authorized place of use served by Contra Costa Water District for use by the customers of the Contra Costa Water District, in any year commencing March 1 shall not exceed 195,000 acre-feet.

- d. The combined rates of diversion and/or rediversion from Old River under Permits 20749, 12721, 11967, 12722, 12723, 12725, 12726, 11315, 11316, 16597, 11968, 11969, 11971, 11973, 12364, 13776, 16600, and 15735 (issued pursuant to Applications 20245, 5626, 5628, 9363, 9364, 9366, 9367, 13370, 13371, 14858, 15374, 15375, 16767, 17374, 17376, 18115, 19304, and 22316) shall not exceed 250 cubic feet per second.

- e. Permittee shall comply with all legally binding requirements of the California Department of Fish and Game, the United States Fish and Wildlife Service and the National Marine Fisheries Service imposed on the permittee under the federal Endangered Species Act (16 U.S.C.A. Sections 1531 to 1544) and the California Endangered Species Act (Fish and Game Code Sections 2050 to 2098) with respect to the Los Vaqueros Project. (0400500)
(0600999)
- f. Permittee shall in cooperation with the Contra Costa Water District implement the mitigation monitoring and reporting measures for Bay-Delta fishery resources and Bay-Delta water quality which are set forth in the Environmental Commitments and Mitigation Monitoring and Reporting Plan for the Los Vaqueros Project Stage 2 Environmental Impact Report/Environmental Impact Statement, dated October 27, 1993. Permittee in cooperation with the Contra Costa Water District shall provide a report to the Chief, Division of Water Rights by April 1 of each year detailing the results of the previous year's monitoring, plans for the current year's monitoring, and the status of implementation of each mitigation measure required by this decision. (0400500)
- 7. Permittee shall minimize increased levels of suspended sediments discharged to Old River during construction, maintenance and repair of the Old River intake facility and minimize loss of fish and riparian wildlife at the Old River intake facility construction site by: (1) installing floating silt curtains, silt fences, stormwater detention facilities, and other appropriate sediment control facilities; (2) mapping existing riparian/aquatic fish habitat prior to construction and taking steps to avoid losses to existing habitat during facility construction as much as possible; and (3) reestablishing suitable new habitat on newly constructed or existing levees to compensate for unavoidable losses. Further, the permittee shall perform all construction, maintenance and repair operations on the Old River intake facility only during the period from September 1 through December 30 of each year, unless U.S. Fish and Wildlife Service and Department of Fish and Game authorized these activities during other periods. Best management practices shall be used to minimize direct and indirect impacts to fish and wildlife. (0400500)
- 8. a. During the period from March 15 through May 15 of each year, the permittee shall use the Old River point of diversion as much as possible in order to minimize diversions at the Rock Slough point of diversion under Permits 12725, 12726, and 15735 on Applications 9366, 9367, and 22316 of the U.S. Bureau of Reclamation.

- b. During the period from March 15 through May 31 of each year, the permittee shall not divert water from the Old River point of diversion to offstream storage in Los Vaqueros Reservoir when the reservoir storage level is more than 70,000 acre-feet (af) in a below normal, above normal or wet water year, or more than 44,000 af in a dry or critical water year. Water year types will be as defined in the February edition of the California Department of Water Resources Bulletin 120 of the Four Basin Index set forth in the permits and licenses of the Bureau of Reclamation.
 - c. During the period from April 1 through April 30 of each year, permittee shall not divert water from the Delta for use by Contra Costa Water District at times when storage in the reservoir is more than 70,000 af in a below normal, above normal or wet water year, or more than 44,000 af in a dry or critical water year, unless more than 12,500 acre-feet is necessary to meet reasonable demands in the Contra Costa Water District service area during this period.
 - d. If in any year the Department of Fish and Game, U.S. Fish and Wildlife Service or National Marine Fisheries Service require modifications in the time periods specified in items (b) or (c) above to protect endangered or threatened species, permittee shall by February 15, or immediately if after February 15, notify the Chief, Division of Water Rights of the time period modifications for that year. Unless within 15 days the Chief, Division of Water Rights, objects to the proposed modifications or proposes an alternative, the permittee shall implement the modifications.
 - e. The requirements of this permit term shall become effective when Los Vaqueros Reservoir is initially filled to a level of 90,000 af. (0560900)
(0360900)
(0600500)
9. Permittee shall construct, operate and maintain a fish screen and fish screen cleaning system at the Old River intake facility, satisfactory to the Department of Fish and Game, United States Fish and Wildlife Service and National Marine Fisheries Service. The fish screen facility shall be constructed and made fully operational prior to operation of the Old River intake facility and by not later than January 1, 1997. In addition, the screen facility shall be designed and operated to achieve an average water approach velocity no greater than 0.2 feet per second for a 3/32" vertical slotted screen opening, and be operated to effectively screen fish greater than 21 millimeters long. (0400500)


10. To avoid construction impacts to Swainson's hawks, surveys shall be conducted weekly beginning the first week of April through May 15 by a biologist acceptable to the Department of Fish and Game to determine if any nesting is occurring within $\frac{1}{2}$ mile of the Old River diversion point, and to determine whether there is any suitable nesting habitat within $\frac{1}{2}$ mile. If nesting is occurring within $\frac{1}{2}$ mile, construction may not be initiated or continued until August 15 without additional consultation with the Department of Fish and Game. This term shall expire upon completion of construction.

(0400500)

11. In accordance with Section 1601, 1603, and/or Section 6100 of the Fish and Game Code, no work shall be started on the diversion works and no water shall be diverted under this permit until permittee has entered into a stream or lake alteration agreement with the California Department of Fish and Game and/or the Department has determined that measures to protect fishlife have been incorporated into the plans for construction of such diversion works. Construction, operation, and maintenance costs of any required facility are the responsibility of the permittee.

(0000063)

Dated: **JULY 18 1994**

for 
Edward C. Anton, Chief
Division of Water Rights

APPLICATION 22316, PERMIT **15735**

PERMIT AMENDED

SEE WR ORDER 95-6

ISSUED JUNE 8, 1995

PERMIT NO. 15735

APPLICATION NO. 22316

SEE DECISION 1485 ISSUED 8-16-78
+ Order 78-17, 10-13-78

2-1-80 Name chgd To U.S. Water + power Res. service

15735

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

ORDER

APPLICATION 5625 and 26 others PERMIT 12720 and 26 others
(as listed on attached sheet)

LICENSE _____

ORDER ALLOWING EXTENSION OF TIME
TO COMPLY WITH SUISUN MARSH STANDARDS

WHEREAS:

1. Order Condition 7(b) of Decision 1485 requires the permittee to meet specific water quality standards for full protection of the Suisun Marsh by October 1, 1984, as set forth in Table II of the Decision.
2. A petition for an extension of time to comply with the water quality standards for full protection of Suisun Marsh set forth in Order Condition 7(b) and Table II of Decision 1485 was filed by the U. S. Bureau of Reclamation on August 6, 1985.
3. The permittee has proceeded with diligence and good cause has been shown for the extension of time.

NOW THEREFORE, IT IS ORDERED THAT:

1. Order Condition 7(b) of Decision 1485 is superseded in accordance with Order Conditions 2 and 3 below.
2. Permittee shall comply with the water quality standards for full protection of Suisun Marsh set forth in Order Condition 7(a) of Decision 1485 (hereinafter termed standards) in accordance with the following schedule:
 - (a) Permittee shall meet the standards by October 1, 1988 at the following locations:
 - (1) Sacramento River at Collinsville Road in Collinsville (C-2)
 - (2) Montezuma Slough at National Steel (three miles south of Mien's Landing) (S-64)
 - (3) Montezuma Slough near Beldon Landing (0.35 miles east of Grizzly Island Bridge) (S-49)
 - (b) Permittee shall either meet the standards by October 1, 1991 at:
 - (1) Chadbourne Slough at Chadbourne Road (S-21), and
 - (2) Cordelia Slough, 500 feet west of the Southern Pacific crossing at Cygnus (S-33),or meet the standards by October 1, 1993 at:
 - (1) Chadbourne Slough at Chadbourne Road (S-21), and
 - (2) Cordelia Slough at Cordelia-Goodyear Ditch (S-97)
 - (c) Permittee shall either meet the standards by October 1, 1991 at Goodyear Slough at the Morrow Island Clubhouse (S-35), or meet the standards by October 1, 1994 at Goodyear Slough, 1.3 miles south of Morrow Island Ditch (S-75)

(d) Permittee shall meet the standards by October 1, 1997 at:

- (1) Suisun Slough 300 feet south of Volanti Slough (S-42), and
- (2) Water supply intake locations for waterfowl management areas on Van Sickle Island and Chipps Island.

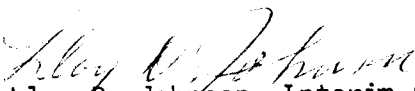
(0400700)

3. Table II of Decision 1485 is amended on page 39 to replace the Suisun Marsh electrical conductivity standards that became effective October 1, 1984 with the following:

BENEFICIAL USE PROTECTED and LOCATION	PARAMETER	DESCRIPTION	YEAR TYPE	VALUES	
FISH AND WILDLIFE				Month	EC in mmhos
• SUISUN MARSH					
— To become effective on October 1, 1988 at: Sacramento River at Collinsville Road in Collinsville (C-2)	Electrical Conductivity (EC)	The monthly average of both daily high tide values not to exceed the values shown (or demonstrate that equivalent or better protection will be provided at the location)	All	Oct.	19.0
Montezuma Slough at National Steel (3 miles south of Mein's Landing) (S-64)				Nov.	15.5
Montezuma Slough near Beldon Landing (0.35 miles east of Grizzly Island Bridge) (S-49)				Dec.	15.5
				Jan.	12.5
				Feb.	8.0
				Mar.	8.0
				Apr.	11.0
				May	11.0
— To become effective either on October 1, 1991 at: Chadbourne Slough at Chadbourne Road (S-21) and Cordelia Slough, 500 feet west of the Southern Pacific crossing at Cygnus (S-33); or on October 1, 1993 at: Chadbourne Slough at Chadbourne Road (S-21) and Cordelia Slough at Cordelia-Goodyear Ditch (S-97)					
— To become effective either on October 1, 1991 at: Goodyear Slough at the Morrow Island Clubhouse (S-35); or on October 1, 1994 at: Goodyear Slough, 1.3 miles south of Morrow Island Ditch (S-75)					
— To become effective on October 1, 1997 at: Suisun Slough, 300 feet south of Volanti Slough (S-42), and Water supply intake locations for waterfowl management areas on Van Sickle Island and Cripps Island.					

4. By January 15 of each year, permittee shall provide, either separately or jointly with California Department of Water Resources, a written report to the Board on its progress toward achieving full compliance with this order.

(0000700)


Lloyd D. Johnson, Interim Chief
Division of Water Rights

Dated DECEMBER 5 1985

DECEMBER 5 1985

ATTACHMENT A

Permits of the United States Bureau of Reclamation:

Permit 12720 (Application 5625)
Permit 12721 (Application 5626)
Permit 11966 (Application 5627)
Permit 11967 (Application 5628)
Permit 12722 (Application 9363)
Permit 12723 (Application 9364)
Permit 12724 (Application 9365)
Permit 12725 (Application 9366)
Permit 12726 (Application 9367)
Permit 12727 (Application 9368)
Permit 11315 (Application 13370)
Permit 11316 (Application 13371)
Permit 11317 (Application 13372)
Permit 11318 (Application 14662)
Permit 11968 (Application 15374)
Permit 11969 (Application 15375)
Permit 11970 (Application 15376)
Permit 12860 (Application 15764)
Permit 11971 (Application 16767)
Permit 11972 (Application 16768)
Permit 11973 (Application 17374)
Permit 16209 (Application 18721)
Permit 16210 (Application 18723)
Permit 15149 (Application 21542)
Permit 16211 (Application 21636)
Permit 16212 (Application 21637)
Permit 15735 (Application 22316)

STATE OF CALIFORNIA
THE RESOURCES AGENCY
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

PERMIT NO. 15735

Application 22316 of The United States of America OVER

U. S. Department of the Interior, Bureau of Reclamation, Region 2, P. O. Box 15011
Sacramento, California 95813

filed on October 13, 1965, has been approved by the State Water Resources Control Board
SUBJECT TO VESTED RIGHTS and to the limitations and conditions of this Permit.

Permittee is hereby authorized to divert and use water as follows:

1. Source:

Tributary to:

Rock Slough

Old River thence

San Joaquin River

2. Location of point of diversion:

	40-acre subdivision of public land survey or projection thereof	Section	Town- ship	Range	Base and Meridian
Diversion $N89^{\circ}52'W$, 8.9' from $E\frac{1}{4}$ corner of Section 33	SE $\frac{1}{4}$ of NE $\frac{1}{4}$	33	2N	3E	MD
Rediversion - Contra Loma Dam $S10^{\circ}40'W$, 1,978' from NE corner of Section 35	SE $\frac{1}{4}$ of NE $\frac{1}{4}$	35	2N	1E	MD
	$\frac{1}{4}$ of $\frac{1}{4}$				
	$\frac{1}{4}$ of $\frac{1}{4}$				
	$\frac{1}{4}$ of $\frac{1}{4}$				
	$\frac{1}{4}$ of $\frac{1}{4}$				

County of Contra Costa

3. Place of use: Within an estimated gross area of 120,000 acres within Contra Costa
County as shown on map on file with the State Water Resources Control Board.

4. Purpose of use: Irrigation, domestic, municipal, industrial, and water quality
control.

Chief, Division of Water Rights

K. F. W. W. W.

STATE WATER RESOURCES CONTROL BOARD

Dated: NOV 6 1968

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, county and municipality water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

(Permit Terms continued on supplemental page.)

14. Upon the request of the Board, permittee shall make such measurements and maintain and furnish to the Board such records and information as may be necessary to determine compliance with the terms and conditions of this permit, including the recognition of vested rights and for the further purpose of determining the quantities of water placed to beneficial use under the permit.

13. The Board reserves continuing jurisdiction over this permit for an indefinite period not to extend beyond the date of issuance of license for the purpose of coordinating terms and conditions of the permits with terms and conditions which have been or which may be included in permits issued pursuant to other applications of the United States in furtherance of the Central Valley Project and applications of the State of California in furtherance of the State Water Resources Development System.

(009000)

12. The State Water Resources Control Board reserves continuing jurisdiction over this permit for such time as may be prescribed by the Board, for the purpose of formulating terms and conditions relative to salinity control in the Sacramento-San Joaquin Delta. Permittees shall, on or before January 1, 1969, and each six months thereafter, submit to the Board a written report as to the progress of negotiations relative to agreement between permittee and the State of California and/or the permittee and water users in the Delta and in Northern Contra Costa County.

11. Storage of water under this permit for use beyond the Sacramento-San Joaquin Delta* or outside the watershed of the Sacramento River Basin** shall be subject to rights initiated by applications for use within said watershed and Delta regardless of the date of filing said applications.

(over 200)

10. The combined rates of diversion from Rock Slough, pursuant to this permit and permits numbered 12725 and 12726 (Applications 9366 and 9367), shall not exceed 350 cubic feet per second.

9. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

8. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Water Resources Control Board until license is issued. (0000010)

7. Complete application of the water to the proposed use shall be made on or before December 1, 1990.

6. The maximum quantity herein stated may be reduced in the license if the investigation warrants.

This permit does not authorize collection of water to storage outside of the specified season to offset evaporation and seepage losses or for any other purpose. (u-u-u-u-u)

5. The water appropriated shall be limited to the quantity which can be beneficially used, and shall not exceed 5,400 acre-feet per annum by storage to be collected at a maximum rate of 21.16 cubic feet per second from about October 1 of each year to about June 30 of the succeeding year.

Application 22316
Permit Terms
Supplemental Page

15. This permit shall be subject to "Agreement Between the United States of America and the Department of Water Resources of the State of California for the Coordinated Operation of the Federal Central Valley Project and the State Feather River and Delta Diversion Projects" dated May 16, 1960, filed of record as Department of Water Resources Exhibit 77 at the hearing on Applications 5625, 5626, 9363, 9364, 9365, 9366, 9367, 9368 and 10588. (0000024)

*For the purpose of this order the Sacramento-San Joaquin Delta shall be that area defined in Water Code Section 12220.

**For the purpose of this order the Sacramento River Basin shall be that portion of the State encompassed by a line beginning at the Sacramento-San Joaquin Delta at Collinsville; thence northeasterly to the crest of the Montezuma Hills; thence northwesterly through the crest of the Vaca Mountains; thence northerly along the crest of Putah, Cache, Stony, Thomes, and Cottonwood Creek Basins and along the crest of the Trinity Mountains to Mt. Eddy; thence easterly through Mt. Shasta and along the northern boundary of the Pit River Basin to the crest of the Warner Mountains; thence southerly and westerly along the boundary of the Pit River Basin to Red Cinder Cone Peak; thence easterly along the northern boundary of the Feather River Basin to the crest of the Sierra Nevada; thence southerly along the crest of the Sierra Nevada to the southern boundary of the American River Basin; thence westerly along the southern boundary of the American River Basin to the eastern boundary of said Delta; thence northerly, westerly, and southerly along the boundary of the Delta to the point of beginning.